# TABLE OF CONTENTS

**March 1989**


| | Page |
|---|---|
| Portrait of President John L. Keaney | Frontispiece |
| OZONE DISINFECTION IN DRINKING WATER<br>By Marie-Marquerite Bourbigot | 1 |
| EPA'S CONCERNS ABOUT THE BIG RIVER RESERVOIR PROJECT<br>By Paul G. Keough | 13 |
| CONSERVATIONIST CONCERNS WITH THE BIG RIVER RESERVOIR PROJECT<br>By Alfred Hawkes | 16 |
| THE FUTURE OF WATER SUPPLY IN RHODE ISLAND<br>By Nancy Barnes | 21 |
| THE NATIONAL LEAGUE OF CITIES INVOLVEMENT WITH WATER SUPPLY<br>By Burton Stallwood | 26 |
| BOOK REVIEWS | 30 |
| MEMOIR - ABEL WOLMAN | 32 |
| PROCEEDINGS - Annual Meeting September 19, 1988 | |
| REPORT OF THE COMMITTEE ON WATER RATES FOR INVESTOR OWNED WATER COMPANIES | 33 |
| REPORT OF THE ADMINISTRATIVE DIVISION | 42 |
| REPORT OF THE BUILDING COMMITTEE | 51 |
| REPORT OF THE STANDARDS COMMITTEE | 55 |
| PROCEEDINGS - November 17, 1988 | 61 |
| PROCEEDINGS - December 15, 1988 | 62 |
| MEETING SCHEDULE | 37a |
| INDEX TO ADVERTISERS | 39a |
| DIRECTORY OF SERVICES | 41a |
| TRAINING CALENDAR | 62a |

# TABLE OF CONTENTS

**March 1989**


| | Page |
|---|---|
| Portrait of President John L. Keaney | Frontispiece |
| OZONE DISINFECTION IN DRINKING WATER<br>By Marie-Marquerite Bourbigot | 1 |
| EPA'S CONCERNS ABOUT THE BIG RIVER RESERVOIR PROJECT<br>By Paul G. Keough | 13 |
| CONSERVATIONIST CONCERNS WITH THE BIG RIVER RESERVOIR PROJECT<br>By Alfred Hawkes | 16 |
| THE FUTURE OF WATER SUPPLY IN RHODE ISLAND<br>By Nancy Barnes | 21 |
| THE NATIONAL LEAGUE OF CITIES INVOLVEMENT WITH WATER SUPPLY<br>By Burton Stallwood | 26 |
| BOOK REVIEWS | 30 |
| MEMOIR - ABEL WOLMAN | 32 |
| PROCEEDINGS - Annual Meeting September 19, 1988 | |
| REPORT OF THE COMMITTEE ON WATER RATES FOR INVESTOR OWNED WATER COMPANIES | 33 |
| REPORT OF THE ADMINISTRATIVE DIVISION | 42 |
| REPORT OF THE BUILDING COMMITTEE | 51 |
| REPORT OF THE STANDARDS COMMITTEE | 55 |
| PROCEEDINGS - November 17, 1988 | 61 |
| PROCEEDINGS - December 15, 1988 | 62 |
| MEETING SCHEDULE | 37a |
| INDEX TO ADVERTISERS | 39a |
| DIRECTORY OF SERVICES | 41a |
| TRAINING CALENDAR | 62a |

# TABLE OF CONTENTS

June 1989


Page

EDITORIAL

ANNOUNCEMENT

WATER SUPPLY: QUALITY, ECONOMICS AND PLANNING FOR THE FUTURE ..... 65
By David Kinnersley

DIRECTIONS IN WATER CONSERVATION AND MANAGEMENT IN MASSACHUSETTS ..... 69
By Patricia A. Garrigan

OVERVIEW OF THE MWRA WATER CONSERVATION PROGRAM ..... 74
By Marcis Kempe, P.E.

RADON TREATMENT FOR A MAINE PUBLIC WATER SUPPLY ..... 86
By Douglas F. Reed, P.E.

IMPROVED REMOVALS OF TRIHALOMETHANE PRECURSORS BY SMALL WATER SYSTEMS ..... 100
By M. Robin Collins, Ph.D., P.E., T. Taylor Eighmy, James M. Fenstermacher, Jr., Stergios K. Spanos, and Catherine M. Spencer

BOOK REVIEWS ..... 114

MEMOIR - SYDNEY S. ANTHONY ..... 117

PROCEEDINGS
- January 19, 1989 ..... 118
- February 6,7,8, 1989 ..... 119
- March 16, 1989 ..... 121
- April 25,26,27, 1989 ..... 121
- May 18, 1989 ..... 125

GUIDELINES FOR SUBMITTING PAPERS FOR PUBLICATION ..... 128
MEETING SCHEDULE ..... 37a
INDEX TO ADVERTISERS ..... 39a
DIRECTORY OF SERVICES ..... 40a
TRAINING CALENDAR ..... 62a

# TABLE OF CONTENTS

**September 1989**


Page

EDITORIAL .... Russell H. Babcock, P.E.

PIPE JOINT RESTRAINTS ..... 129
By Timothy M. Stinson, P.E.

CONTROLLED ENVIRONMENT VAULTS FOR WATER DISTRIBUTION SYSTEMS ..... 144
By Joseph E. Kruzic, P.E.

ASBESTOS ABATEMENT IN MUNICIPAL BUILDINGS ..... 148
By James A. Stearns, P.E.

COMPUTERIZED INFRASTRUCTURE MAPPING AND MANAGEMENT SYSTEMS AT LOW COST ..... 151
By Alan M. Silbovitz, P.E. and John D. Jolls

CONSENSUS BUILDING IN TODAY'S ENVIRONMENTALLY CONSCIOUS SOCIETY ..... 156
By Jeffrey L. McNelly

MANCHESTER WATER WORKS' SOURCE DEVELOPMENT CHARGE ..... 160
By Attorney Richard A. Samuels

THE METHODOLOGIES AND STEPS ASSOCIATED WITH DEVELOPING A PUBLIC WATER SUPPLY WELL ..... 165
By J. Theodore Morine

BOOK REVIEWS ..... 170

LETTERS ..... 173

GUIDELINES FOR SUBMITTING PAPERS FOR PUBLICATION ..... 174
MEETING SCHEDULE ..... 37a
INDEX TO ADVERTISERS ..... 39a
DIRECTORY OF SERVICES ..... 40a
TRAINING CALENDAR ..... 62a

# TABLE OF CONTENTS

December 1989


Page

PRETREATMENT ALTERNATIVES FOR CATSKILL WATER ..... 175
By David Nickols

DESIGN CONSIDERATIONS AND OPERATING TIPS FOR SMALL RESIDENTIAL SYSTEMS ..... 188
By Bruce W. Lewis, P.E.

RAW WATER QUALITY CONTROL: AN OVERVIEW OF RESERVOIR MANAGEMENT TECHNIQUES ..... 197
By Robert W. Kortmann, Ph.D.

CONTEMPORARY TELEMETERING METHODS FOR WATER WORKS FACILITIES ..... 221
By Russell H. Babcock, P.E.

GRANULAR ACTIVATED CARBON WATER TREATMENT AND POTENTIAL RADIATION HAZARDS ..... 234
By Stan Rydell, Ph.D., Byron Keene and Jerry Lowry, Ph.D.

BOOK REVIEW ..... 249

LETTERS ..... 250

PROCEEDINGS
ANNUAL CONFERENCE SEPTEMBER 10-13, 1989 ..... 253
including Awards, President's Address, and Reports of the Executive Director, Treasurer and Editor

ANNUAL INDEX

ORGANIZATION CHART 1989-1990

MEETING SCHEDULE ..... 37a

INDEX TO ADVERTISERS ..... 39a

DIRECTORY OF SERVICES ..... 40a

TRAINING CALENDAR ..... 59a